


## 10/02/13 - Homework:

### - 2.3 day 1 - p. 98-100 (10-26 evens, 65, 69-71)

Solve each equation. Check your answer.

 See Problem

10.  $7 - y - y = -1$

11.  $72 + 4 - 14d = 36$

12.  $13 = 5 + 3b - 13$

13.  $6p - 2 - 3p = 16$

14.  $x + 2 + x = 22$


15.  $b - 9 + 6b = 30$

16.  $9t - 6 - 6t = 6$

17.  $17 = p - 3 - 3p$

18.  $-23 = -2a - 10 + a$

Write an equation to model each situation. Then solve the equation.

 See Problem

19. **Employment** You have a part-time job. You work for 3 h on Friday and 6 h on Saturday. You also receive an allowance of \$20 per week. You earn \$92 per week. How much do you earn per hour at your part-time job?

20. **Travel** A family buys airline tickets online. Each ticket costs \$167. The family buys travel insurance with each ticket that costs \$19 per ticket. The Web site charges a fee of \$16 for the entire purchase. The family is charged a total of \$1132. How many tickets did the family buy?

Solve each equation. Check your answer.

 See Problem

21.  $64 = 8(r + 2)$

22.  $5(2x - 3) = 15$

23.  $5(2 + 4z) = 85$

24.  $2(8 + 4c) = 32$

25.  $7(f - 1) = 45$

26.  $15 = -2(2t - 1)$

65. **Savings** You have \$85 in your bank account. Each week you plan to deposit \$8 from your allowance and \$15 from your paycheck. The equation  $b = 85 + (15 + 8)w$  gives the amount  $b$  in your bank account after  $w$  weeks. How many weeks from now will you have \$175 in your bank account?

## Standardized Test Prep

69. When a number is increased by 3 and that number is doubled, the result is  $-8$ . What was the original number?

(A)  $-14$

(B)  $-7$

(C)  $-5.5$

(D)  $-1$

70. What is the value of the expression  $-3r + 6 + r$  when  $r = -2$ ?

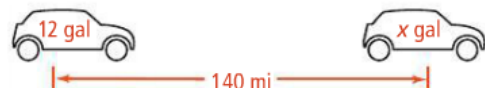
(F)  $-2$

(G)  $0$

(H)  $10$

(I)  $12$

71. Roy's car gets an average gas mileage of 29 mi/gal. Roy starts his trip with the amount of gas shown. About how many gallons of gas are left at the end of his trip?



(A) 6 gal

(C) 8 gal

(B) 7 gal

(D) 9 gal